

WHAT IS CLAIMED IS:

1. A voice recognition apparatus disposed in a robot, comprising:

voice recognition means for recognizing a voice; and
control means for controlling said voice recognition means in accordance with the state of said robot.

2. A voice recognition apparatus according to Claim 1, wherein said control means controls said voice recognition means in accordance with the state of the robot in terms of the growth, emotion, or instinct.

3. A voice recognition apparatus according to Claim 1, wherein said control means changes the recognition accuracy of said voice recognition means in accordance with the state of said robot.

4. A voice recognition apparatus according to Claim 1, wherein:

said voice recognition means includes dictionary storage means for storing a dictionary in which words to be recognized in voice recognition are described; and

said control means controls said voice recognition means such that the words described in said dictionary are

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weighted in accordance with the state of said robot and voice recognition is performed using the weighted words.

5. A voice recognition apparatus according to Claim 1, wherein:

said voice recognition means includes dictionary storage means for storing a plurality of dictionaries in which words to be recognized in voice recognition are described such that the words to be recognized are divided into groups and the respective groups of words are stored in different dictionaries; and

said control means controls said voice recognition means such that the words described in the respective dictionaries are weighted in accordance with the state of said robot and voice recognition is performed using the weighted words.

6. A voice recognition apparatus according to Claim 1, wherein:

said voice recognition means includes dictionary storage means for storing a dictionary in which words to be recognized in voice recognition are described such that other words are linked to said words to be recognized; and

said control means controls said voice recognition means such that another word linked to a word, which is

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included in the dictionary and which is obtained as a voice recognition result, is output as a final voice recognition word depending upon the state of the robot.

7. A voice recognition apparatus according to Claim 6, wherein words to be recognized in voice recognition are described in said dictionary such that said words are linked to other acoustically or semantically similar words.

8. A voice recognition apparatus according to Claim 1, wherein:

said voice recognition means includes dictionary storage means for storing a dictionary in which words to be recognized in voice recognition are described; and

said control means controls the maximum number of words allowed to be described in said dictionary, in accordance with the state of said robot.

9. A voice recognition apparatus according to Claim 1, wherein said robot performs a predetermined action in accordance with the voice recognition result output by said voice recognition means.

10. A voice recognition method for a voice recognition apparatus disposed in a robot, comprising the steps of:

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recognizing a voice; and
controlling said voice recognition step in accordance
with the state of said robot.

11. A storage medium on which a program to be executed
by a computer to make a robot perform voice recognition is
stored, said program comprising the steps of:

recognizing a voice; and
controlling said voice recognition step in accordance
with the state of said robot.

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